

MISO Wireless Cardbus Adapter





User Manual

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Preface

corega CG-WLCBGMO MISO Wireless Cardbus Adapter, compliance with IEEE802.11b/g standards. Its internal MIMO XR technology can improve transmit frequency and increase signal coverage area six times farther then general 802.11g standard products. Moreover, it supports TX-Burst technology, and can effectivly improve transmit speed. It also spends less power from laptop. In sum, these outstanding features make CG-WLCBGMO a great companion for no Centrino laptop users.

1.1 Features

- Compliance with IEEE802.11b/g standard.
- Internal MIMO XR technology, improve the wireless coverage area up to 375M. Its coverage area radius is six times farther then general 802.11g standard products.(Environmental factors may adversely affect wireless signal range).
- Internal 2 antennas, support TX-Burst technology, effectivly improve transmit speed.
- Supports WEP(64/128 bits), WPA, WPA2, and 802.1 network security modes.
- Supports roaming function, can automatically search for stronger signal wireless AP.
- · Laptop friendly cardbus design
- Supports power save mode, spending less power.

1.2 Package Content

Before installation, please make sure the packing content is completed. If there is something loss please contact your local distributor.

- MISO Wireless Cardbus Adapter
- CD-ROM

- User Manual 1.3 Hardware description



1. Link LED ON: network connected. OFF: network disconnected.

2. Act LED Indicates the connection status Blink: transmitting or receiving data OFF: not transmitting or receiving data

1.4 Installation Steps

Please confirm the following steps before installing the product. Plug the product into the Cardbus slot > Put the Driver CD >Install the utility program and the driver > Confirm the Device status of the product >Set up TCP/IP > Open the Utility Program > Setup the Wireless Network > Enable the security function > Setup the advanced functions > Start to use the product.



2.1 Hardware Installation

Please plug corega WLCBGMO into the Cardbus slot of the laptop. After you plug it in, please install the software and driver. When the following pages appear, please click [cancel].

<Windows XP>



<Windows 2000>



2.2 Utility and Driver Installation

- 1. Put Driver CD into the CD-ROM drive.
- 2. Please select [English]



3. Click [Install Software]



4. The [corega Wireless Adapter Setup] page.



5. Click [Continue Anyway].

Hardwa	re Installation
1	The software you are installing for this hardware: CG-WLCBGMD, corega MISO Wireless Cardbus Adapter has not passed Windows Logo testing to verify its compatibility with Windows XP. (<u>Tell me why this testing is important.</u>) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
	Continue Anyway

6. Click [Finish] to finish setup.

	and the second se					
tofile Link Status Site S	survey Statistics Adv	anced II	Plalomato	About		
			2336 - 22		1994 (A) A (A)	-
SSID	BSSID	Signal	Channel	Encryption	Authentication	Netra
Corega0205	00-50-18-21-CF-69	73%	6	None	Unknown	Inhast
AT TW-OFFICE	00-0A-79-58-FE-43	42%	6	TKIPAES	WPA-PSK	Inhad
co-test	00-0A-79-81-4A-95	52%	9	WEP	Unknown	Infrast
coregatesting	00-C0-02/E4-87-68	13%	11	WEP	Unknown	Infrasi
coregaA	00-0A-79-75-CD-AC	23%	11	TKIP	WPA-PSK	Infract
RD-SW-TEST	00 CD 02 FF 56-12	68%	11	WEP	Unknown	Infrast
SunForce Technol.	00-07-40-E8-FE-2A	7%	11	WEP	Unknown	Inhasi
	00-0A-79-5C-E2-A2	37%	11	WEP	Unknown	Infract
					-	
	2011	_				-
Connected <-> coregal	1205		Rescan	Conne	ct Add to F	Profile

2.3 Verify the Hardware Status

- 1. Open [Control Panel]=>Double-click [System].
- 2. Select [Hardware] tab=>Click [Device Manager].



3. Select and double-click [CG-WLCBGMO].



4. Verify the device status of CG-WLCBGMO is [This device is working properly]->Click [OK] to close this page.

General	Adversed Date	Deball Decement
uenerai	Advanced Driv	/er Details Hesources
	CG-WLCBGMO Adapter	, corega MISO Wireless Cardbus
	Device type:	Network adapters
	Manufacturer:	AMIT Technology, Inc.
	Location:	PCI bus 87, device 0, function 0
Devid	ce status	
-	1920-1948-1978	
Thie	device is working	properly
This	device is working	properly.
This If yo	device is working u are having probl	properly.
This If yo start	device is working u are having probl the troubleshoote	properly.) ems with this device, click Troubleshoot to r.
This If yo start	device is working u are having probl the troubleshoote	properly.
This If yo start	device is working u are having probl the troubleshoote	properly) ems with this device, click Troubleshoot to r. Iroubleshoot
This If yo start	device is working u are having probl the troubleshoote usage:	properly) ems with this device, click Troubleshoot to
This If yo start	device is working u are having probl the troubleshoote usage: is device (enable)	properly) ems with this device, click Troubleshoot to



B

- 1. Enter [Start Menu]=>select [Control panel]=>select [Network].
- 2. Right-click [Local Area Connections] icon=>select [properties] $^{\circ}$
- 3. Select [Internet Protocol(TCP/IP)]=>Click [Properties].



- 4. Select the [General] tab.
 - a. If your Wireless Router has [DHCP] function, please select both [Obtain an IP address automatically] and [Obtain DNS server address automatically].
 - b. If the router does not support [DHCP] function, you have to configure the IP and DNS settings.

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tranced.

User can use corega Wireless Utility to configure wireless network. After finishing configuration, please check if the connection works.

Please confirm that user's computer is in the wireless radio wave range. If the computer is out of the radio range, the setup will not be seccessful.

After user installed CG-WLCBGMO and corega Wireless Utility, CG-WLCBGMO will automatically link with the AP/Router. If the connection is successful, the following message will appear .

Wireless Adapter Status : Good (corega)

1. Click the ^{**} icon in the system tray to open the Utility. If there is no such icon, enter [Start]->click[Program]->select[CG-WLCBGMO]->click[corega Wireless Utility] and the icon will appear.

1	Programs	Accessories		corona Wireless Little
Ì	Documents •	Games +	2	Uninstall

2. The availibale APs are displayed in the [Site Survey] tab. If there is no AP in dialog box, please press [Rescan].

Δ

ile Link Status	Site Survey Statisti	cs Advanced	IP Informatio	n About		
SSID	BSSID	Sig	nal Channel	Encryption	Authentication	Netwo
🥳 corega	00-23-12-A1-	04-02 94%	10	None	Unknown	Infras
	00-23-12-A1-	06-01 23%	1	None	Unknown	Infras
ATTW-OFFIC	E 00-0A-79-5B	-FE-43 18%	6	TKIP;AES	WPA-PSK	Infras
bearhome	00-C0-02-F5-	FB-34 57%	6	None	Unknown	Infras
corega0205	00-50-18-21-	CF-69 100	\$ 6	None	Unknown	Infras
cs-test	00-0A-79-81-	4A-96 57%	9	WEP	Unknown	Infras
RD-SW-TEST	00-C0-02-FF	56-12 47%	5 11	WEP	Unknown	Infras
corega-testing	00-C0-02-E4	B7-68 23%	5 11	WEP	Unknown	Infras
coregaA	00-0A-79-75-	CD-AC 7%	11	TKIP	WPA-PSK	Infras
	00-0A-79-5C	-E2-A2 47%	11	WEP	Unknown	Infras
<						>
Connected <> con	ega184		Rescan	Connec	t Add to H	rofile

3. To make connection, select one AP/SSID (eg:corega) and click [Conncet]. When the connection works, [Connected] will appear in the left button of this tab and the sicon appears in front of the linked AP. When the connection failed, [Disconnected] will appear.

If the AP has set up the encryption, please setup the the same keys on CG-WLCBGMO (refer to chapter 5) before you click [OK].

ofile La	ink Status Site	Survey	Statistics Adv	anced I	P Information	a About		
SSID		BSSI	D	Signal	Channel	Encryption	Authentication	Netwo
con	ega.	00-23	-12-A1-04-02	94%	10	None	Unknown	Infras
		00-23	-12-A1-06-01	23%	1	None	Unknown	Infras
AT	TW-OFFICE	00-04	-79-5B-FE-43	18%	6	TKIP;AES	WPA-PSK	Infras
bea	rhome	00-C0	-02-F5-FB-34	57%	6	None	Unknown	Infras
con	ga0205	00-50	-18-21-CF-69	100%	6	None	Unknown	Infras
cs-t	est	00-04	-79-81-4A-96	57%	9	WEP	Unknown	Infras
RD	SW-TEST	00-C0	-02-FF-56-12	47%	11	WEP	Unknown	Infras
con	ega-testing	00-C0	-02-E4-B7-68	23%	11	WEP	Unknown	Infras
con	Asg	00-04	-79-75-CD-AC	7%	11	TKIP	WPA-PSK	Infras
		00-04	-79-5C-E2-A2	47%	11	WEP	Unknown	Infras
<								>
Connec	ted <> corega	184			Rescan	Connec	t Add to H	rofile

If your AP/Router have setted network security function, your cardbus needs to have the same security setting. The details of network security setting are described below. Please open corega Wireless Utility before you start to setup network security:

Double click the right icon in the system tray to open the Utility page. If there is no wireless icon, please click [start Menu]->select [Programs]->click [CG-WLCBGMO]->click [corega Wireless Utility], and the wireless icon will appear.



5.1 Setting WEP

If your AP has [WEP] authentication(eg:corega), press [Connect].

ofile	Link Status Si	te Survey.	Statistics	Advar	aced	IP Information	About		
SS	SID	BSSI	D		Signa	l Channel	Encryption	Authentication	Netwo
8	corega184	00-23	-12-A1-04	-02	94%	10	None	Unknown	Infras
-		00-23	-12-A1-06	j-01	23%	1	None	Unknown	Infras
-	ATTW-OFFICE	00-04	1-79-5B-FF	3-43	18%	6	TKIP:AES	WPA-PSK	Infras
	bearhome	00-Cf	3-02-F5-FE	3-34	57%	6	None	Unknown	Infras
	corega0205	00-50)-18-21-CF	-69	100%	6	None	Unknown	Infras
-	cs-test	00-04	1-79-81-4A	1-96	57%	9	WEP	Unknown	Infras
	RD-SW-TEST	00-C0	3-02-FF-56	-12	47%	11	WEP	Unknown	Infras
C	corega	00-CI	J-02-E4-B7	7-68	23%	11	WEP	Unknown	Infras
	coregaA	00-04	-79-75-CI	D-AC	7%	11	TKIP	WPA-PSK	Infras
1		00-04	1-79-5C-E2	2-A2	47%	11	WEP	Unknown	Infras
<									>
Cor	nnected <> coreg	pa.184				Rescan	Connec	t Add to P	rofile

5

2. Please follow the instructions:

Authentication Type :	Open Use 802.1x 802.1x Se	etting
Encryption :	WEP	~
WPA Preshared Key :		
Wep Key C		
C ⊙ Key#1	1ex 💌	
◯ Key#2	tex 💌	
⊖ Key#3	lex 💌	
◯ Key#4	Hex 🔽	
* WEP 64 Bits Er * WEP 128 Bits I characters	cryption: Please Keyin 10 HEX characters or 5 ASCII characters noryption: Please Keyin 26 HEX characters or 13 ASCII	5
	Show Passwo	ord

- a. [Authentication Type]: indicates the authentication type of the AP/Router. Please confirm the setting of the AP/Router.
 - * [Open]:WEP open system is based on request and grant. It is essentially no authentication.
 - * [Shared]: WEP shared key is based on request, challenge, challenge response, grant/deny.

b. Select [WEP] in [Encryption].

- c. [Hex]/[ASCII]: It will be auto selected -> Enter AP encryption keys in the box Key1~Key4.
- d. Select the current AP encryption keys from Key1~Key4.
- e. Press [OK] to finish setting.

5.2 Setting WPA

WPA encryption type can be divided into WPA-PSK, WPA2-PSK, WPA(or called WPA-EAP), and WPA2(or called WPA2-EAP). All settings should correspond to the settings of the current connected wireless network.

$\langle\!\!\langle WPA\text{-}PSK \, and \, WPA2\text{-}PSK \, \!\!\rangle$

1. Select an AP with [WPA-PSK] or [WAP2-PSK] authentication and press [Connect]. Here we use corega A for example. Thus the following settings must correspond with corega A.

SSED	BUILD	Jignal	Chausel	Encryption	Authentication	Nets
corega184	00-23-12-81-04-02	944	10	None	Unknown	Infer
	00-23-12-A1-05-01	23%	1	None	Unknown	Infre
ATTW-OFFICE	00-0A-79-5B-FE-43	18%	6	TRIP;AE2	WPA-PEK	Infin
beschome	00-C0-02-F5-FB-34	57%	6	None	Unknown	Inform
comps0205	00-50-18-21-CF-69	100%	6	None	Unknown	Infin
co-text.	00-0A-79-81-4A-96	57%	9	WEP	Unknown	Infin
RD-SW-TEST	00-C0-02-FF-56-12	47%	11	WEP	Unknown	lefes
COPP IN	00-C0-02-E4-B7-68	23.5	11	WEP	Unknown	Inter
coregeA	00-0A-79-75-CD-AC	75	11	TKIP	WPA-PSK	Infes
-	00-0A-79-9C-E2-AZ	4/5	11	WEP	Unknown	life

2. Setting the [Authentication and Security] Page:

nenotion :	1007	
	465	
FG Preval Kay		
Wap Kay Sitting Ki		
() fast:		
Cost		
Ofen (

a. Authentication Type: Select [WPA-PSK] . b. Encryption: Select [TKIP] or [AES].(Same as AP) c. Enter the password in [WAP Preshared Key] box and click [OK].

$\langle\!\langle WPA and WPA2 \rangle\!\rangle$

1. Select an AP with [WPA] or [WAP2] authentication and press [Connect]. Here we use corega A02 for example. Thus the following settings must correspond with corega A02.

SUD	RESID	Simal	Channel	Facontos	Authentication	Nete
Nocomma184	00-23-12-81-04-02	946	10	None	Unknown	Infra
	00-23-12-A1-06-01	236	1	None	Unknown	Infra
ATTW-OFFICE	00-0A-79-5E-FE-43	1845	6	TKIP:AES	WPA-PSK	Infra
beachome	00-C0-02-F5-FB-34	576	6	None	Unknown	Infra
corege0205	00-50-18-21-CF-69	100%	6	None	Unknown	Infra
co-test	00-0A-79-81-4A-96	57%	9	WEP	Unknown	Infra
RD-SW-TEST	00-C0-02-FF-56-12	47%	11	WEP	Unknown	Infra
corego testing	00-C0-02-E4-B7-68	23%	11	WEP	Unknown	Infra
coregnA02	00-0A-79-75-CD-AC	7%	11	TKIP	HPA	Infre
	00-0A-79-5C-E2-A2	47%	11	WE?	Unknown	Infra
¢					-	3
Connected (184		Perren	Connec	Add to 1	mfile

2. Setting the [Authentication and Security] Page:

Authentication Typ	e:	WFA	<u> </u>	C 002.1x Setting
Encryption		AES		×
WPA Preshared K	ey :			
(E) Kayill1				
C Keyld2				
⊖ Keplt3				
○Key#4				
				Show Password

- a. Authentication Type: select [WPA].
- b. Encryption: select [TKIP] or [AES](Same as AP)
- c. If the AP/router has [802.1x Setting] function, click it for advance setting. Please consult your MIS for details.

Authentication T	ype: PEAP	~	Session Resu	unption:	Disabled	1
Identity :			Password :			
-	141					
Use Client of	erhificate					
Use Client of Issued To :	ertificate					
Use Client of Issued To : Issued By :	erhiicate					
Use Client of Issued To : Issued By : Expired On :	erbificate					
Use Client of Issued To : Issued By : Expired On : Friendly Nam	e :				More.	
Use Chent of Issued To : Issued By : Expired On : Friendly Nam	e :: entication				More.	
Use Client of Issued To : Issued By : Expired On : Friendly Nam Tunneled Auth Protocol :	e : entication EAP-MSCHA	AP v2 💌	Identity :		More.	**

d. Click [OK] to finish setting.



Chapter 6 will briefly introduce the sections in the setup utility.

6.1 Site Survey

SSID	BSSID	Signal	Channel	Encryption	Authentication	Netw
🐋 corega184	00-23-12-A1-04-02	94%	10	None	Unknown	Infra
	00-23-12-A1-06-01	23%	1	None	Unknown	Infra
ATTW-OFFICE	00-0A-79-5B-FE-43	18%	6	TKIP;AES	WPA-PSK	Infra
bearhome	00-C0-02-F5-FB-34	57%	6	None	Unknown	Infra
corega0205	00-50-18-21-CF-69	100%	6	None	Unknown	Infra:
cs-test	00-0A-79-81-4A-96	57%	9	WEP	Unknown	Infra:
RD-SW-TEST	00-C0-02-FF-56-12	47%	11	WEP	Unknown	Infra
corega-testing	00-C0-02-E4-B7-68	23%	11	WEP	Unknown	Infra
coregaA	00-0A-79-75-CD-AC	7%	11	TKIP	WPA-PSK	Infra
	00-0A-79-5C-E2-A2	47%	11	WEP	Unknown	Infra

- 1. The discription of these sections
 - SSID : Name of AP (or called ESSID).
 - BSSID : Mac Address of AP
 - Signal : Signal strength of AP
 - Channel : AP used channel
 - · Encryption : what encrypted mechanism does AP used
 - Authentication : What authentication mechanism does AP used.

• Network Type :What Network Type does the AP belong to. Generally it is [infrastruture].

- 2. Available WLAN list. The 🐱 icon means currently connecting.
- 3. [Connected] means connection ok. [Disconnected] means connection failed.

- 4. Click [Rescan] to rescan and upgrade all the AP's information in time
- 5. Click [Connect] to start connecting the selected AP.
- 6. Save the selected AP's information to profile. For more details, please refer to 6.1.1.

6.1.1 Add one profile

1. Select one AP in the SSID column, eg: corega0205=>Click [Add to Profile]

onliguation Author	entication and Security		
Profile Name	PR0F1	SSID corege0205	~
CAM (Const O PSM (Powe	antly Awake Mode) (Saving Mode)		
Network Type Transmit Power	Infrastructure 💌 Auto 💌	Promble	2
RTS Threshol	d 0		
Fragment The	schold 256	Á 2346 [2346]	

- 2. Setting items in the [configuration] tab:
 - Profile Name: Enter the connected AP profile, eg: PROF1.
 - SSID: Click the drop-down menu and select one AP. You can also enter the AP manually.
 - PSM: When CAM is selected, indicats that the product is not in power saving status. When PSM is selected, the product is in power saving status. (Only select it under Infrastructure nettype).
 - Network Type: [Infrastructure] or [Ad Hoc] type. We recom-

mend you to select [Infrastructure].

- Transmit power: the amount of power used by a radio transceiver to send the signal out. User can choose power value by sliding the bar.
- [RTS Threshold] and [Fragment Threshold] :We recommend you to use the default value. User can adjust threshold numbers by sliding the bars or key in the values directly.
- 3. Click [OK] and the setted AP will appear in the [Profile] tab.

6.2 Profile

ile	Link Status	Site Survey	Statistics	Advanced	IP Information	About	
Pro	ofile Name	SSID	05	Channel	Authentication	Encryption	Network Type
-							
	Add		Delet	<u> </u>	Edit		Activate

- [Add]: Click [Add] to add a new profile.
- [Delete]: to delete a profile, select one profile name and click [Delete].
- [Edit]:to edit the setting of a profile, select the profile and click [Edit].
- [Activate]: to activate the selected profile, select the profile and click [Activate].

6.3 Link Status

This tab displays the information of the link status.

ofile Link Status S	ite Survey Statistic	s Advanced	IP Information Abo	out	
Status :	corega0205 <>	00-50-18-21-	CF-69		
Extra Info :	Link Up [TxPowe	er:100%]		Channe	el: 6
Link Speed (Mbp:	s) Tx: 54 Rx: 54	.0	Throughput (Kbps)	Tx : Rx :1	0.0
Link Quality :				100%	Good
Signal Strength :				■ -41 dBm	Good
Signal Strength2 :				🚺 -43 dBm	Good
Noise Level :				🚺 -63 dBm	Strong

- Status: Displays the linked AP name and Mac address. When [Disconnect] appears in this box, the connection is failed.
- Extra Info: link status and strength.
- Channel:Current channel in use.
- · Link Speed: Show current transmit rate and receive rate.
- Throughout: Display transmits and receive throughput value.
- Link Quality: Display connection quality based on signal strength and TX/RX packet error rate.
- Signal Strength: Receive signal strength, user can choose to display as percentage or dBm format
- Noise Level: Display noise signal strength.

6.4 Statistics

Statistics page displays the detail counter information.

notile	Link Status	Site Survey	Statistics	Advanced	IP Information	toofA		
Tra	unnit Statistica							
	Frames Transs	nitted Successf	ully	-		1		
	Frames Trans	nitted Successf	ully Witho	-		1		
	Fremes Transo	nitted Successf	ully After i	-		0		
	Frames Fail To	Receive ACE	After All	Retries	-		0	
RTS Frames Successfully Receive CTS					-		0	
	RTS Finmes F	al To Receive	CIS	-		0		
Rece	iève Statistica							
	Frames Receiv	ed Successfull	y .		-		0	
	Frames Received With CRC Error						1	
	Frames Dropped Due To Out-of-Resource				-		0	
Duplicate Frames Received			-		0			
							Reset Counter	

- Transmit Statistics: Statistic of transmitted frames .
- Receive Statistics: Statistic of received frames.
- [Reset Counters]: Click [Reset Counter] to zero the statistic numbers of transmitting and receiving data.

6.5 Advanced settings

The advanced setting sections are shown as follows.

- · Wireless mode: Select wireless network mode(speed)
 - 802.11b/g mixed: Automatically detect 11b or 11g
 - 802.11b only: Frequency only 11b
 - 802.11g only: Frequency only 11g
- 11b/g Protection: In order to keep the connention stable, please select [Auto] to automatically confirm which mode the wireless network is in.
- TX Rate: Manually force the Transmit using selected rate. Please accept the default setting.
- Tx-Burst: Ralink's proprietary frame burst mode. When it is checked, transmit throughput will be improved.(Only work when AP support this function.eg: coreag WLBARGMO)
 - Enable TCP Window Size: Extend the Window size of TCP.(When checked, the recieve speed will improve.)
 - Fast Roaming at ____ dBm: It will enter romaing mode when dBm reaches a level.
- CCX2.0: Open CCX(supports Cisco Compatible Extensions function). Check it when AP supports Cisco.
 - LEAP turn on CCKM: Open CCKM fuction (Cisco Key Management).
 - Enable Radio Measurements:Open the function of CCK Monitor AP Channel.
 - Non-Serving Channel Measurements... : Select and start to moniter if wireless channel is non-serving.
- Radio Off: Disable wireless radio wave.
- [Apply] : Click this when finish the settings.

6.6 IP Information

The MAC Address and the IP information are displayed in this tab. Click[Release] to release IP address, click [Renew] to renew IP information.

odile.	Link Status	Site Survey	Statistics	Advanced	IP Information	trodA	
3	AC Address	00-50-18	-21-CF-FD				
I	P Addaess :	192.168	1.21		telence	Renew	
S	ubnet Mask :	255.255	255.0				
I	lefault Galeway	192.168	1.1	-			

6.7 About

The About tab displays the information of the utility version and the driver version.



FAQ

There are 2 ways for solving your problems if WLCBGMO can't connect to Internet as below:

- (1) First, please see following "FAQ" to check your problem.
- (2) Please go to http://www.corega-asia.com to download the latest driver.
- (3)Please go to http://www.corega-asia.com, then click "Supports"=>select "Online Customer Support", => fill in the form, =>click "submit". We'll reply you as soon as possible.
 - Product name: e.g.) WLCBGMO
 - Firmware version: access the management program to check.
 - Your ISP service name.
 - Windows system: e.g.) Windows98/2000/XP and so on.
 - WEB browser(Version): e.g.) IE5.0/5.5/6.0 and so on.
 - Network adapter manufacturer and its driver version.
 - Connection way: fixed IP, dynamic IP or PPPoE dial-up connection.
 - What are your problem and situation: e.g.) unable to internet.
 - What is the error message or picture?
- Q1.What should I do when it's not able to connect to the Internet?
- A: Please make sure if the below processes are complete or not.
- (1) Vertify the product is installed.
- (2) Vertify the driver and the software are configured.
- (3) Vertify the network setting is correct.
- (4) Vertify the security setting is correct.
- (5) Vertify the ESSID setting of AP router correspond to that of WLCBGMO.
- (6) Vertify the channel if under Ad-Hoc mode.
- (7) Vertify the wireless Standard of AP is the same as WLCBGMO.

Q2.How to keep the network connection quality well? A:

- (1) Put the AP nearer.
- (2) Remove barriers between AP and laptop.
- (3) Do not place AP on a metal shelf.
- (4) Please keep away from microwave, 2.4GHz cordless phone, and medical equipment.
- (5) Change the direction of your laptop or AP.
- Q3. What should I do when I can not find other computers in [My Network Places]?
- A: To solve this problem, please open [My Network Places] and make sure all computers have the same settings in the network name.
- Q4.What should I do when there is troubleshooting Informationthe of network adapter?
- A: The below symbols indicates that your product installation has failed. Please remove the driver and utility of WLCBGMO and configure the product again.
- * Displays [Other devices] in the hardware tree with a black exclamation point "!" on a yellow field and a yellow question mark "?" symbol.
- * The network adapter is not listed in the hardware tree of the [device Manager] page under [My Computer].
- * Displays two or more product name.

[How to solve this problem]:

(1) Right-click on the [Network controller] under [Other devices] and select [Uninstall].

(2) When confirm delete message appears, click [OK].

(3) Follow the manual to install the product again.

- Q5.What should I do when the network adapter icon appears a [x] symbol in the [Device Manager] page:
- A:When there is a [x] on the icon, the product is disable. To solve this problem, please follow the instructions below:

Windows XP

Open [Control Panel]=>Double-click [System]=>Select [Hardware] tab=>Click [Device Manager]=>Right-click [CG-WLCBGMO]=>select [enable]

Q6. How to get the latest driver and Utility?

A: Please go to http://www.corega-asia.com, then click supports=>download =>select "driver" or "Utility", =>select and click the model which you want to upgrade. 8

Compliance Standard	IEEE802.11, IEEE802.11b, IEEE802.11g
LAN Interface	32bit CardBus
Protocol	CSMA/CA
Transmission Method	DS-SS, OFDM
Network Type	Infrastructure/802.11 Ad-Hoc
Frequency Band/ Channel	IEEE802.11b/g: 2.412GHz~2.472GHz
Transmission Rate	IEEE802.11b: 11/5.5/2/1Mbps IEEE802.11g: 54/48/36/24/18/12/9/6Mbps
Transmitter Output Power	18.98dBm@11b, 16.38dBm@11g
Coverage Area	IEEE802.11b: Indoors 150M, Outdoors 375M(MIMO XR Function Enable Range) IEEE802.11g(@54Mbps): Indoors 30M, Outdoors 40M * Environmental factors may adversely affect wire- less signal range
Security	WEP(64/128 bits), WPA-EAP (802.1x) / WPA2-EAP (802.1x)/WPA-PSK / WPA2-PSK
Antenna Type	Planar Inverted F Antenna
Antenna Gain	3.48dBi
Support OS	Windows 98SE / ME / 2000 / XP
Power Consumption	1.22W
	Environmental Requirements
Operating	Temperature: 0°C~40°C Humidity: <90% (non-con- densing)
Storage	Temperature: -20°C~60°C Humidity: <95% (non- condensing)
	Physical Specifications
Dimension	54(W) x 9(D) x 117(H) mm
Weight	50 g (main unit)